Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/09/2014 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124109	-1	1.32	123915	1.03
Blue	F	SSC	125000	123433	-2	3.14	123246	2.56
Blue	E	FITC	20974	20192	-4	1.74	915	7.73
Blue	D	PE	25516	25121	-2	1.39	935	7.16
Blue	B	PerCP-Cy5-5	47091	46552	-2	2.61	1591	11.70
Blue	A	PE-Cy7	41727	41001	-2	4.64	894	21.66
Red	C	APC	51192	49808	-3	2.33	2908	8.45
Red	A	APC-Cy7	50012	49292	-2	2.74	1551	8.56
Violet	B	V450	15453	15137	-3	1.55	911	5.71
Violet	A	V500	60987	59862	-2	1.37	2899	3.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20403	2.12	559	0	N/A	N/A	Pass
Blue	F	SSC	60302	1.44	471	8	N/A	N/A	Pass
Blue	E	FITC	113	29.65	501	2	0.0388	147	Pass
Blue	D	PE	209	20.42	490	3	0.2951	186	Pass
Blue	B	PerCP-Cy5-5	217	31.71	568	1	0.0168	8	Pass
Blue	A	PE-Cy7	81	75.27	620	0	0.0239	20	Pass
Red	C	APC	329	24.21	564	3	0.0257	50	Pass
Red	A	APC-Cy7	134	32.12	544	4	0.0072	1552	Pass
Violet	B	V450	95	35.23	446	9	0.0886	3037	Pass
Violet	A	V500	200	18.97	476	8	0.0226	661	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-32.21	-31.86	0.95
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.26
Red	17.98	13.07 - 19.61	N/A	N/A	32.34	32.54	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9574

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments